

GT-E2152L

user manual



SAMSUNG

Using this manual

This user manual has been specially designed to guide you through the functions and features of your mobile phone. To get started quickly, refer to "Introducing your mobile phone," "Assembling and preparing your mobile phone," and "Using basic functions."

Read me first

- Please read all safety precautions and this manual carefully before using your phone to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your phone.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www.samsungmobile.com for the latest version of the user manual.
- Available features and additional services may vary by phone, software, or service provider.

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Instructional icons

	Note: notes, usage tips, or additional information
	Followed by: the order of options or menus you must select to perform a step; for example: In Menu mode, select Message → Create message (represents Message , followed by Create message)
	Square brackets: phone keys; for example: [] (represents the Power/End key)
	Angled brackets: softkeys that control different functions at each screen; for example: < OK > (represents the OK softkey)
	Refer to: pages with related information; for example: ► p. 12 (represents "see page 12")

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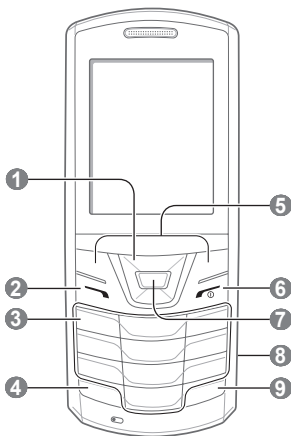
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Introducing your mobile phone

In this section, learn about your mobile phone's layout, keys, and icons.

Phone layout



1

4-way navigation key

In Idle mode, access user-defined menus; In Menu mode, scroll through menu options

Depending on your service provider, pre-defined menus may differ

2

Dial key

Make or answer a call; In Idle mode, retrieve recently dialed, missed, or received numbers; Send an SOS message

► *"Activate and send an SOS message"*

3

Voice mail service key

In Idle mode, access voice mails (press and hold)

4

Keypad lock key

In Idle mode, lock or unlock the keypad (press and hold)

5

Softkeys

Perform actions indicated at the bottom of the display

6

Power/End key

Turn the phone on or off (press and hold); End a call; In Menu mode, cancel input and return to Idle mode

7

Confirm key

In Idle mode, access Menu mode; Launch the web browser (press and hold); In Menu mode, select the highlighted menu option or confirm an input

Depending on your service provider or region, the key may perform differently

8

Alphanumeric keys

9

Silent profile key

In Idle mode, activate or deactivate the silent profile (press and hold)

Icons



Your phone displays the following status indicators on the top of the screen.

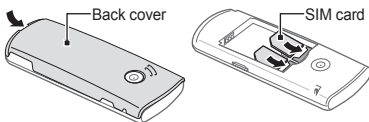
Icon	Definition
	Signal strength
	Call in progress
	Call diverting activate
	SOS message feature activated
	Roaming (outside of normal service area)
	Connecting to secured web page
	FM radio on
	Bluetooth activated
	Alarm activated
	Memory card inserted
	New text message (SMS)
	New multimedia message (MMS)
	New email message
	New voice mail message
	Normal profile activated
	Silent profile activated
	Battery power level

Assembling and preparing your mobile phone

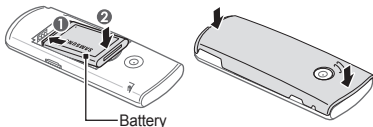
Get started by assembling and setting up your mobile phone for its first use.

Install the SIM card and battery

1. Remove the back cover and insert the SIM card.

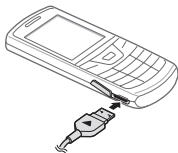


2. Insert the battery and replace the back cover.



Charge the battery

1. Plug the small end of the supplied travel adapter into the multifunction jack.



2. Plug the large end of the travel adapter into a power outlet.
3. When charging is finished, unplug the travel adapter.



Do not remove the battery from the phone before unplugging the travel adapter first. Otherwise, the phone may be damaged.

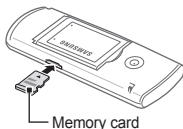
Insert a memory card (optional)

Your phone accepts microSD™ or microSDHC™ memory cards up to 2 GB (depending on memory card manufacturer and type).



- Formatting the memory card on a PC may cause incompatibility with your phone. Format the memory card only on the phone.
- Frequent writing and erasing of data will shorten the lifespan of memory cards.

1. Remove the back cover.
2. Insert a memory card with the gold-coloured contacts facing down.



3. Push the memory card in the memory card slot until it locks in place.
4. Replace the back cover.

Using basic functions

Learn how to perform basic operations and use the main features of your mobile phone.

Turn your phone on or off

To turn your phone on,

1. Press and hold [].
2. Enter your PIN and press **<OK>** (if necessary).
3. Press **OK** to register new SIM cards.
4. Press **<Next>**.
5. Assign a name and signal icon to the SIM cards by following the on-screen instruction.
6. Press **<Next>**.
7. Press the Confirm key.

To turn your phone off, repeat step 1 above.

Access menus

To access your phone's menus,

1. In Idle mode, press **<Menu>** to access Menu mode.



You may need to press the Confirm key to access Menu mode depending on your region or service provider. When you are using the smart home screen, you cannot use the Confirm key to access Menu mode.

2. Use the Navigation key to scroll to a menu or option.
3. Press **<Select>**, **<OK>**, or the Confirm key to confirm the highlighted option.
4. Press **<Back>** to move up one level; Press  to return to Idle mode.



- When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM card. For details, contact your service provider.
- Samsung is not responsible for any loss of passwords or private information or other damages caused by illegal software.

Use the smart home screen

The smart home screen allows you to access your favourite applications and contacts and view upcoming events or tasks. You can customise the smart home screen to fit your preferences and needs.



When you are using the smart home screen, the Navigation key does not access shortcuts.

To customise the smart home screen

1. In Menu mode, select **Settings** → **Display and light** → **Smart home**.
2. Scroll left or right to **Smart idle**.
3. Press <**Edit**>.
4. Select the items to display on the smart home screen.
5. Press <**Options**> → **Save**.
6. Press the Confirm key.



You can change the idle screen to another style. In Menu mode, select **Settings** → **Display and light** → **Smart home** and scroll left or right to a style you want.

To access the smart home idle items

Press the Navigation key to scroll through the items on the smart home screen and press the Confirm key to select an item. The following items are available.



Available items may vary depending on your service provider.

- **Shortcuts toolbar:** access your favourite applications. You can customise the shortcut toolbar as desired.
- **My buddies:** access contacts that are saved in the favourite number list.
- **PIMs ticker:** access upcoming calendar events and tasks.
- **Dual clock:** view your home clock and a world clock.
- **Calendar:** view the monthly calendar.
- **Single clock:** view the current time and date.
- **Facebook/Twitter:** access recently updated feeds.

To customise the shortcut toolbar

1. In Menu mode, select **Settings** → **Display and light** → **Smart home**.
2. Press <Edit>.
3. Scroll to **Shortcuts toolbar** and press <Options> → **Edit shortcuts**.
4. Select a menu to change or an empty location.
5. Select the menus you want.
Press the Navigation key right to select submenus (if necessary).
6. Press <Save>.

Customise your phone

To switch to or from the silent profile

In Idle mode, press and hold [#] to silence or unsilence your phone.

To set the sound profile

To switch to another sound profile,

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Select a profile you want.

To edit a sound profile,

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Scroll to a profile and press <Edit>.
3. Customise the sound settings as desired.

To set menu shortcuts

1. In Menu mode, select **Settings** → **Phone** → **Shortcuts**.
2. Select a key to use as a shortcut.
3. Select a menu to assign to the shortcut key.

Manage your SIM cards

Your phone supports the use of two SIM cards, enabling the use of two subscriptions.



Since your phone is provided with a single Radio Frequency (RF) module shared by the two SIM cards, during a call using a subscription for a SIM card, your phone is unable to receive a call from the other subscription for the other SIM card.

To set time for automatic subscription changes

1. In Idle mode, press and hold [47].
2. Select **SIM auto switch**.

3. Press **<Change>** to activate the auto switch feature.
4. Set the starting and ending time to change subscription.
5. Select **Save**.

To change the names and icons of the SIM cards

1. In Idle mode, press and hold [].
2. Select **Register card**.
3. Select a SIM card.
4. Select **Card name** and change the name for the SIM card.
5. Select **Icon** and change the icon for the SIM card.

Use basic call functions

To make a call

1. In Idle mode, enter an area code and a phone number.
2. Press [] to dial the number.
3. To end the call, press [].

To answer a call

1. When a call comes in, press [.
2. To end the call, press [.

To adjust the volume of voice during a call

While a call is in progress, press the Navigation key up or down to adjust the volume.

To use the speakerphone feature

1. During a call, press the Confirm key to activate the speaker.
2. To switch back to the earpiece, press the Confirm key again.



In noisy environments, you may have difficulty hearing the calls while using the speakerphone feature. For better audio performance, use the normal phone mode.

To use the headset

By plugging the headset into the multifunction jack, you can make and answer calls:

- To redial the last call, press and hold the headset button.
- To answer a call, press the headset button.
- To end a call, press and hold the headset button.

Send and view messages

To send a text or multimedia message

1. In Menu mode, select **Message** → **Create message**.
2. Enter a recipient number and scroll down.
3. Enter your message text. ► p. 23
For sending as a text message, skip to step 5.
For attaching multimedia, continue with step 4.
4. Press <**Options**> → **Add multimedia** and add an item.
5. Press the Confirm key to send the message.

To view a text or multimedia message

1. In Menu mode, select **Message** → **Inbox**.
2. Select a text or multimedia message.

Send and view emails

To send an email

1. In Menu mode, select **Message** → **Create email**.
2. Enter an email address and scroll down.
3. Enter a subject and scroll down.

4. Enter your message text.
5. Press **<Options>** → **Attach items** and add an item (if necessary).
6. Press the Confirm key to send the message.

To view an email

1. In Menu mode, select **Message** → **Email inbox**.
2. Press **<Download>**.
3. Select an email or a header.
4. If you selected a header, press **<Options>** → **Retrieve** to view the body of the email.

Enter text

You can enter text by pressing keys on the keypad.



Available text input modes may vary depending on your region.

To change the text input mode

- Press and hold [#] to switch between T9 and ABC modes.
- Press [#] to change case or switch to Number mode.

- Press [**✖**] to switch to Symbol mode.
- Press and hold [**✖**] to select an input method, change the input language, or access your word list.

T9 mode

1. Press appropriate alphanumeric keys to enter an entire word.
2. When the word displays correctly, press [**0**] to insert a space. If the correct word does not display, press the Navigation key up or down to select an alternate word.

ABC mode

Press an appropriate alphanumeric key until the character you want appears on the display.

Number mode

Press an appropriate alphanumeric key to enter a number.

Symbol mode

Press an appropriate alphanumeric key to enter a symbol.

To use other features for text input

- To move the cursor, press the Navigation key.
- To delete characters one by one, press **<Clear>**. To quickly delete characters, press and hold **<Clear>**.
- To insert a space between characters, press **[0]**.
- To enter punctuation marks, press **[1]**.

Add and find contacts



The memory location to save new contacts may be preset depending on your service provider. To change the memory location, in Idle mode, press **<Contacts>** → **<Options>** → **Settings** → **Save new contact to** → a memory location.

To add a new contact

1. In Idle mode, enter a phone number and press **<Options>**.
2. Select **Add to Contacts** → a memory location (if necessary).
3. Select **Create contact**.
4. Select a number type (if necessary).

5. Enter contact information.
6. Press the Confirm key or press **<Options>** → **Save** to add the contact to memory.

To find a contact

1. In Idle mode, press **<Contacts>**.
2. Enter the first few letters of the name you want to find.
3. Select the contact's name from the contact list.

Use basic camera functions

To capture photos

1. In Menu mode, select **Camera** to turn on the camera.
2. Aim the lens at the subject and make any adjustments.
3. Press the Confirm key to take a photo. The photo is saved automatically.

After capturing photos, press **<Album>** to view photos.

To view photos

In Menu mode, select **Multimedia** → **Images** → a photo file.

To record videos

1. In Menu mode, select **Camera** to turn on the camera.
2. Press [**1**] to switch to Recording mode.
3. Aim the lens at the subject and make any adjustments.
4. Press the Confirm key to start recording.
5. Press the Confirm key or <**Stop**> to stop recording. The video is saved automatically.

After recording videos, press <**Album**> to play videos.

To view videos

In Menu mode, select **Multimedia** → **Videos** → a video file.

Listen to music

To listen to the FM radio

1. In Menu mode, select **FM radio**.
2. Press the Confirm key to start the FM radio.
3. Press <Yes> to start automatic tuning.

The radio scans and saves available stations automatically.



The first time you turn on the FM radio, you will be prompted to start automatic tuning.

4. Control the FM radio using the following keys:

Key	Function
Confirm	Turn the FM radio on or off
Navigation	• Left/Right: Select an available radio station • Up/Down: Adjust the volume



- Listening to the FM radio without a headset may reduce battery charge more quickly.
- When the current radio signal is weak, plug in the supplied headset.

To listen to music files

Start by transferring files to your phone or memory card:

- Download from the wireless web. ► p. 30
- Download from a PC with the optional Samsung PC Studio. ► p. 40
- Receive via Bluetooth. ► p. 45
- Copy to your memory card. ► p. 41

After transferring music files to your phone or memory card,

1. In Menu mode, select **Music**.
2. Select a music category → a music file.
3. Control playback using the following keys:

Key	Function
Confirm	Pause or resume playback
Navigation	• Left: Skip backward (press within 3 seconds); Scan backward in a file (press and hold) • Right: Skip forward; Scan forward in a file (press and hold) • Up/Down: Adjust the volume

Browse the web



The web browser menu may be labelled differently depending on your service provider.

To browse web pages

1. In Menu mode, select **Browser** → **<Yes>** to launch your service provider's homepage.
2. Navigate web pages using the following keys:

Key	Function
Navigation	Scroll up or down on a web page
Confirm	Select an item
<Back>	Return to the previous page
<Options>	Access a list of browser options

To bookmark your favourite web pages

1. In Menu mode, select **Browser**.
2. Press **<Options>** → **Bookmarks**.
3. Press **<Options>** → **Add bookmark**.
4. Enter a page title and a web address (URL) and press the Confirm key.

Using advanced functions

Learn how to perform advanced operations and use additional features of your mobile phone.

Use advanced call functions

To view and dial missed calls

Your phone will display calls you have missed on the display. To dial the number of a missed call,

1. Press **<Open>**.
2. Scroll to the missed call you want to dial.
3. Press [>] to dial.

To call a recently dialled number

1. In Idle mode, press [>] to display a list of recent numbers.
2. Scroll to the number you want and press [>] to dial.

To hold a call or retrieve a held call

Press <**Hold**> to place a call on hold or press <**Retrieve**> to retrieve a held call.

To dial a second call

If your network supports this function, you can dial another number during a call:

1. Press <**Hold**> to place the first call on hold.
2. Enter the second number to dial and press [↵].
3. Press <**Swap**> to switch between the two calls.

To answer a second call

If your network supports this function, you can answer a second incoming call:

1. Press [↵] to answer the second call.
The first call is automatically placed on hold.
2. Press <**Swap**> to switch between the two calls.



During a call using a subscription for a SIM card, your phone is unable to receive a call from the other subscription for the other SIM card.

To make a multiparty call (conference call)

1. Call the first party you want to add to the multiparty call.
2. While connected to the first party, call the second party.
The first party is automatically placed on hold.
3. When connected to the second party, press **<Options>** → **Conference call**.

To call an international number

1. In Idle mode, press and hold [0] to insert the + character.
2. Enter the complete number you want to dial (country code, area code, and phone number), and then press [↵] to dial.

To call a contact from the phonebook

1. In Idle mode, press **<Contacts>**.
2. Scroll to the number you want to dial and press [↵] to dial.

To reject a call

To reject an incoming call, press []. The caller will hear a busy tone.

To reject calls from certain numbers automatically, use the auto rejection. To activate the auto rejection and set up the reject list,

1. In Menu mode, select **Settings** → **Call** → **All calls** → **Auto reject**.
2. Press <**Change**> to select **On** (if necessary).
3. Scroll down and press <**Change**>.
4. Press <**Create**>, or press <**Options**> → **Create**.
5. Enter a number to reject.
6. Select **Match criteria** → an option (if necessary).
7. Press <**Save**>.
8. To add more numbers, repeat steps 4-7 above.

Use advanced phonebook functions

To create your namecard

1. In Idle mode, press **<Contacts>**.
2. Press **<Options>** → **Settings** → **My namecard**.
3. Enter your personal details.
4. Press the Confirm key, or press **<Options>** → **Save**.

To create a group of contacts

1. In Idle mode, press **<Contacts>**.
2. Scroll right to **Groups**.
3. Press **<Options>** → **Create group**.
4. Enter a group name and press the Confirm key.
5. To set a group ringtone, scroll to a group you want and press **<Options>** → **Group ringtone** → the Confirm key.
6. Select a ringtone category → a ringtone.
7. Press **<Options>** → **Save**.

Use advanced messaging functions

To create a text template

1. In Menu mode, select **Message** → **My folders** → **Templates**.
2. Press <**Create**> to open a new template window.
If there is a template saved, press <**Options**> → **Create**.
3. Enter your text and press the Confirm key to save the template.

To insert text templates in new messages

1. In Menu mode, select **Message** → **Create message**.
2. In the text input field, press <**Options**> → **Add text** → **Template** → a template.

To use the Bluetooth messenger

1. In Menu mode, select **Application** → **Bluetooth messenger**.
2. Press the Confirm key.
3. Press <**Yes**> to turn on the Bluetooth wireless feature (if necessary).
4. Select a device.

5. Enter your message and press the Confirm key.
6. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, or press **<Yes>** to send the message.

Use advanced camera functions

To capture a series of photos

1. In Menu mode, select **Camera** to turn on the camera.
2. Press **<Options>** → **Shooting mode** → **Continuous**.
3. Make any necessary adjustments.
4. Press and hold the Confirm key to take a series of photos.

To capture divided photos

1. In Menu mode, select **Camera** to turn on the camera.
2. Press **<Options>** → **Shooting mode** → **Mosaic**.
3. Select an image layout and press the Confirm key.
4. Make any necessary adjustments.
5. Press the Confirm key to take photos for each segment.

To capture photos with decorative frames

1. In Menu mode, select **Camera** to turn on the camera.
2. Press **<Options>** → **Shooting mode** → **Frame**.
3. Select a frame and press the Confirm key.
4. Make any necessary adjustments.
5. Press the Confirm key to take a photo with the frame.

To use camera options

Before capturing a photo, press **<Options>** to access the following options:

Option	Function
Shooting mode	Change the shooting mode
Resolution	Change the resolution option
White balance	Adjust the colour balance
Effects	Apply a special effect
Exposure metering	Select a type of exposure metre

Before recording a video, press <**Options**> to access the following options:

Option	Function
Recording mode	Change the recording mode
Resolution	Change the resolution option
White balance	Adjust the colour balance
Effects	Apply a special effect

To customise camera settings

Before capturing a photo, press <**Options**> → **Settings** to access the following settings:

Option	Function
Timer	Select the time delay
Quality	Adjust the quality level for your photos
Night mode	Set whether to use Night shot mode
Viewfinder mode	Change the preview screen
Review	Set the camera to display the captured image
Shutter sound	Set the camera shutter to make a sound when capturing a photo
Storage	Select a memory location for storing captured photos
Shortcut info	View the shortcut information

Before recording a video, press <**Options**> → **Settings** to access the following settings:

Option	Function
Timer	Select the time delay
Quality	Adjust the quality level for your videos
Viewfinder mode	Change the preview screen
Recording sound	Set the camera shutter to make a sound when capturing a video
Audio recording	Turn the audio on or off
Storage	Select a memory location for storing captured videos
Shortcut info	View the shortcut information

Use advanced music functions

To copy music files via Samsung PC Studio

1. In Menu mode, select **Settings** → **PC connections** → **Samsung PC studio** or **Mass storage**.
2. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.

3. Run Samsung PC Studio and copy files from the PC to the phone.

Refer to the Samsung PC Studio help for more information.



To transfer data from a PC to your phone, you need Windows XP Service Pack 2.

To copy music files to a memory card

1. Insert a memory card.
2. In Menu mode, select **Settings** → **PC connections** → **Mass storage**.
3. Using an optional PC data cable, connect the multifunction jack on your phone to a PC.
When connected, a pop-up window will appear on the PC.
4. Open a folder to view files.
5. Copy files from the PC to the memory card.

To create a playlist

1. In Menu mode, select **Music**.
2. Press <**Options**> → **Create playlist**.
3. Enter a title for your new playlist and press the Confirm key.
4. Select the new playlist.

5. Press **<Add>** → **Tracks**.
6. Select the files you want to include and press **<Add>**.

To customise your music player settings

1. In Menu mode, select **Music**.
2. Press **<Options>** → **Settings**.
3. Adjust the settings to customise your music player.
4. Press **<Save>**.

To record songs from the FM radio

1. In Menu mode, select **FM radio**.
2. Press the Confirm key to start the FM radio.
3. Select a radio station you want.
4. Press **<Options>** → **Record** to start recording.
5. When you are finished recording, press **<Stop>**.

To set up your favourite station list

1. In Menu mode, select **FM radio**.
2. Press the Confirm key to start the FM radio.
3. Select a radio station to add to the favourite station list.

4. Press **<Options>** → **Add to** → **Favourites**.
5. Select an empty location you want to set.



You can access your favourite stations by pressing the location number on the keypad from the FM radio screen.

Using tools and applications

Learn how to work with your mobile phone's tools and additional applications.

Use the Bluetooth wireless feature

To turn on the Bluetooth wireless feature

1. In Menu mode, select **Application** → **Bluetooth**.
2. Press **<Options>** → **Settings**.
3. Press **<Change>** to select **On**.
4. To allow other devices to locate your phone, scroll down to **My phone's visibility** and press **<Change>** → **Always on**.

To find and pair with other Bluetooth-enabled devices

1. In Menu mode, select **Application** → **Bluetooth**.
2. Press the Confirm key.
3. Select a device.
4. Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and press **<OK>**.

When the owner of the other device enters the same code or accepts the connection, pairing is complete.



You may not need to enter a PIN depending on the device.

To send data using the Bluetooth wireless feature

1. Select a file or item from one of your phone's applications that you want to send.
2. Press **<Options>** → **Send via** or **Send namecard via** → **Bluetooth**.

To receive data using the Bluetooth wireless feature

1. Enter the PIN for the Bluetooth wireless feature and press **<OK>** (if necessary).
2. Press **<Yes>** to confirm that you are willing to receive data from the device (if necessary).

Activate and send an SOS message

In an emergency, you can send SOS messages to your family or friends for help.

To activate the SOS message

1. In Menu mode, select **Message** → **Settings** → **SOS messages** → **Sending options**.
2. Press **<Change>** to select **On**.
3. Scroll down and press the Confirm key to open the recipient list.
4. Press **<Search>** to open your contact list.
5. Select a contact.
6. Select a number (if necessary).
7. Press the Confirm key to save the recipients.
8. Scroll down and set the number of times to repeat the SOS message.
9. Press **<Back>** → **<Yes>**.

To send an SOS message

1. With the keys locked, press [].

Make fake calls

You can simulate an incoming call when you want to get out of meetings or unwanted conversations.

- Press and hold the Navigation key down in Idle mode.
- Press the Navigation key down four times when the keys are locked.

Record and play voice memos

To record a voice memo

1. In Menu mode, select **Application** → **Voice recorder**.
2. Press the Confirm key to start recording.
3. Speak your memo into the microphone.
4. When you are finished speaking, press **<Stop>**.

To play a voice memo

1. From the voice recorder screen, press **<Options>** → **Go to My voice clips**.
2. Select a file.

Edit images

1. In Menu mode, select **Application** → **Image editor**.
2. Select the image you want to edit.
3. Press the Confirm key.
4. Scroll to an editing tool and press the Confirm key.
5. Select an option or set the area you want, and press **<Apply>**.
For resizing the image, skip to step 7.
6. Press **<Options>** → **Save as**.
7. Enter a new file name for the image and press the Confirm key.

Upload photos and videos to the web

Post your photos and videos to photo sharing websites and blogs.

1. In Menu mode, select **Application** → **Communities**.
2. Select a website you want and select **Yes**.
3. Enter your user ID and password, and select **Sign In**.
4. Share photos, videos, or messages with friends and family.

Use Java-powered games and applications

1. In Menu mode, select **Games**.
2. Select a game or application from the list and follow the on-screen instructions.



Available games may vary, depending on your service provider or region. Game controls and options may vary.

Create a world clock

1. In Menu mode, select **Schedule** → **World clock**.
2. Press the Confirm key.
3. Scroll left or right to a time zone and press **<Add>**.
4. To add more world clocks, repeat steps 2-3 above.

Set and use alarms

Learn to set and control alarms for important events.

To set a new alarm

1. In Menu mode, select **Alarms**.
2. Press **<Create>**.
3. Set the details of the alarm.
4. Press **<Save>** or the Confirm key.

To stop an alarm

When the alarm sounds,

- Press **<Confirm>** or the Confirm key to stop the alarm.
- Press **<Snooze>** to silence the alarm for the snooze period.

To deactivate an alarm

1. In Menu mode, select **Alarms**.
2. Scroll to the alarm you want to deactivate.
3. Press <**Options**> → **Deactivate alarm**.

Use the calculator

1. In Menu mode, select **Schedule** → **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

Convert currencies or measurements

1. In Menu mode, select **Schedule** → **Convertor** → a conversion type.
2. Enter the currencies or measurements and units in the appropriate fields.

Set a countdown timer

1. In Menu mode, select **Application** → **Timer**.
2. Enter the time to count down and press **<Start>**.
3. Press [] → **<Yes>** to set the timer to run in the background (if necessary).
4. When the timer expires, press any key to stop the alert.

Use the stopwatch

1. In Menu mode, select **Application** → **Stopwatch**.
2. Scroll left or right to **Lap** or **Split**.
Scroll to **Split** to record lap times or **Lap** to view the interval between lap times.
3. Press **<Start>** to begin the stopwatch.
4. Press the Confirm key to record times.
5. When you are finished, press **<Stop>**.
6. Press **<Reset>** to clear recorded times.

Create new tasks

1. In Menu mode, select **Schedule** → **Task**.
2. Press **<Create>**.
3. Enter the details of the task.
4. Press **<Save>** or the Confirm key.

Create a text memo

1. In Menu mode, select **Schedule** → **Memo**.
2. Press **<Create>**.
3. Enter your memo text and press the Confirm key.

Manage your calendar

To change the calendar view

1. In Menu mode, select **Schedule** → **Calendar**.
2. Press **<Options>** → **View by week** or **View by month**.

To create an event

1. In Menu mode, select **Schedule** → **Calendar**.
2. Press **<Options>** → **Create** → an event type.
3. Enter the details of the event.
4. Press **<Save>** or the Confirm key.

To view events

1. In Menu mode, select **Schedule** → **Calendar**.
2. Select a date on the calendar.
3. Select an event to view its details.

Activate the torch light

The torch light feature helps you see in dark places by making the flash as bright as possible. To activate the torch light, press and hold []. To deactivate the torch light, press [].

Back up your data

Use Backup manager to back up your data, such as messages, contacts, and tasks to your memory card or **Multimedia**. If necessary, you can restore them to your phone.

To back up your data

1. In Menu mode, select **Settings** → **Backup manager**.
2. Select **Backup**.
3. Select a category and select items to back up.
4. Press <**Backup**>, or press <**Options**> → **Backup**.

To restore your data

1. In Menu mode, select **Settings** → **Backup manager**.
2. Select **Restore**.
3. Select a memory location (if necessary).
4. Select a category and scroll to an item to restore.
5. Press <**Restore**> and select an option.
The data will be saved in appropriate applications.

Troubleshooting

When you turn on your phone or while you are using the phone, it prompts you to enter one of the following codes:

Code	Try this to solve the problem:
Password	When the phone lock feature is enabled, you must enter the password you set for the phone.
PIN	When using the phone for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM card. You can disable this feature by using the PIN lock menu.
PUK	Your SIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
PIN2	When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM card. For details, contact your service provider.

Your phone displays "No networks found" or "Network error"

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

Calls are being dropped

When you are in areas with weak signals or poor reception, you may lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

- Ensure that you have pressed the Dial key.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.

Incoming calls are not connected

- Ensure that your phone is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Audio quality is poor

- Ensure that you are not blocking the phone's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The phone beeps and the battery icon flashes

Your battery is low. Recharge or replace the battery to continue using the phone.

The battery does not charge properly or the phone turns off

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

Your phone is hot to the touch

When you use applications that require more power or use applications on your phone for an extended period of time, your phone may feel hot to the touch. This is normal and should not affect your phone's lifespan or performance.

Error messages appear when launching the camera

Your Samsung mobile phone must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a PC or deleting files from your phone.

- Restart the phone. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files may not play on your Samsung mobile phone for a variety of reasons. If you receive error messages when opening music files on your phone, try the following:

- Free some memory by transferring files to a PC or deleting files from your phone.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate license or key to play the file.
- Ensure that your phone supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your phone.
- Ensure that the Bluetooth wireless features is activated on the device you wish to connect to, if necessary.
- Ensure that your phone and the other Bluetooth device are within the maximum Bluetooth range.

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the phone to a PC

- Ensure that the PC data cable you are using is compatible with your phone.
- Ensure that you have the proper drivers installed and updated on your PC.

Safety precautions

To prevent injury to yourself and others or damage to your device, read all of the following information before using your device.

Warning: Prevent electric shock, fire, and explosion

Do not use damaged power cords or plugs, or loose electrical sockets

Do not touch the power cord with wet hands, or disconnect the charger by pulling on the cord

Do not bend or damage the power cord

Do not use your device while charging or touch your device with wet hands

Do not short-circuit the charger or the battery

Do not drop or cause an impact to the charger or the battery

Do not charge the battery with chargers that are not approved by the manufacturer

Do not use your device during a thunderstorm

Your device may malfunction and your risk of electric shock is increased.

Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery

For safe disposal of your Li-Ion batteries, contact your nearest authorized service center.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, batteries, and chargers from damage

- Avoid exposing your device and batteries to very cold or very hot temperatures.
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Caution: Follow all safety warnings and regulations when using your device in restricted areas

Turn off your device where prohibited

Comply with all regulations that restrict the use of a mobile device in a particular area.

Do not use your device near other electronic devices

Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device near a pacemaker

- Avoid using your device within a 15 cm range of a pacemaker if possible, as your device can interfere with the pacemaker.
- If you must use your device, keep at least 15 cm away from the pacemaker.
- To minimise the possible interference with a pacemaker, use your device on the opposite side of your body from the pacemaker.

Do not use your device in a hospital or near medical equipment that can be interfered with by radio frequency

If you personally use any medical equipment, contact the manufacturer of the equipment to ensure the safety of your equipment from radio frequency.

If you are using a hearing aid, contact the manufacturer for information about radio interference

Some hearing aids may be interfered with by the radio frequency of your device. Contact the manufacturer to ensure the safety of your hearing aid.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.
- Do not use your device at refueling points (service stations), near fuels or chemicals, and at blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Turn off your device when in an aircraft

Using your device in an aircraft is illegal. Your device may interfere with the electronic navigation instruments of the aircraft.

Electronic devices in a motor vehicle may malfunction due to the radio frequency of your device

Electronic devices in your car may malfunction due to radio frequency of your device. Contact the manufacturer for more information.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, practice good common sense and remember the following tips:

- Use a hands-free device.
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Be able to access your wireless device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, let your voice mail answer it for you.
- Let the person you are speaking with know you are driving. Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.

- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.
- Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your device to call for help. Dial a local emergency number in the case of fire, traffic accident, or medical emergencies.
- Use your device to help others in emergencies. If you see an auto accident, a crime in progress, or a serious emergency where lives are in danger, call a local emergency number.
- Call roadside assistance or a special, non-emergency assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or another special, non-emergency number.

Proper care and use of your mobile device

Keep your device dry

- Humidity and all types of liquids may damage device parts or electronic circuits.
- When wet, remove the battery without turning on your device. Dry your device with a towel and take it to a service center.
- Liquids will change the color of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Do not use or store your device in dusty, dirty areas

Dust can cause your device to malfunction.

Do not store your device on slopes

If your device falls, it can be damaged.

Do not store your device in hot or cold areas. Use your device at -20 °C to 50 °C

- Your device can explode if left inside a closed vehicle, as the inside temperature can reach up to 80 °C.
- Do not expose your device to direct sunlight for extended periods of time (such as on the dashboard of a car).
- Store the battery at 0 °C to 40 °C.

Do not store your device with such metal objects as coins, keys and necklaces

- Your device may become deformed or malfunction.
- If the battery terminals are in contact with metal objects, it may cause a fire.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not drop your device or cause impacts to your device

- The screen of your device may be damaged.
- If bent or deformed, your device may be damaged or parts may malfunction.

Do not use a flash close to the eyes of people or animals

Using a flash close to the eyes may cause temporary loss of vision or damage to the eyes.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.

Use manufacturer-approved batteries, chargers, accessories and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

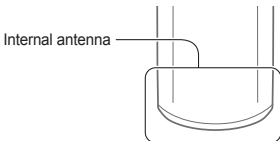
Do not bite or suck on the device or the battery

- Doing so may damage the device or cause explosion.
- If children use the device, make sure that they use the device properly.

When speaking on the device:

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the mouthpiece.

- Avoid contact with your device's internal antenna. Touching the antenna may reduce the call quality or cause the device to transmit more radio frequency than necessary.



- Hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Protect your hearing



- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Use caution when using the device while walking or moving

Always be aware of your surroundings to avoid injury to yourself or others.

Do not carry your device in your back pockets or around your waist

You can be injured or damage the device if you fall.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. For service, take your device to a Samsung Service Center.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.

Do not paint your device

Paint can clog moving parts and prevent proper operation. If you are allergic to the paint or metal parts of the device, stop using the device and consult your physician.

When cleaning your device:

- Wipe your device or charger with a towel or a rubber.
- Clean the terminals of the battery with a cotton ball or a towel.
- Do not use chemicals or detergents.

Do not use the device if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Center to have it repaired.

Do not use the device for anything other than its intended use

Avoid disturbing others when using the device in public

Do not allow children to use your device

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the device, or make calls that increase your charges.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Allow only qualified personnel to service your device

Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle SIM cards or memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-colored contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your device may not be possible in some areas or circumstances. Before traveling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Specific Absorption Rate (SAR) certification information

Your phone conforms to U.S. Federal Communications Commission (FCC) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile phones that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 1.6 W/kg.

During testing, the maximum SAR values recorded for this model were:

Network Frequency	Specific Absorption Rate (W/kg)	
	Held to ear	Worn on body ¹
GSM850 (1g)	0.394	0.871
GSM900 (10g)	0.xxx	-
GSM1800 (10g)	0.xxx	-
GSM1900 (1g)	0.413	0.698

1. When used with accessories that contain no metal and provide at least 1.5 cm separation between the phone (including the antenna, whether extended or retracted) and the wearer's body.

In normal use, the actual SAR is likely to be much lower, as the phone has been designed to emit only the RF energy necessary to transmit a signal to the nearest base station. By automatically emitting lower levels when possible, your phone reduces your overall exposure to RF energy.

The FCC has granted an Equipment Authorization for this model phone based on the compliance of all reported SAR levels with the FCC RF exposure guidelines. The authorization can be found on the FCC Office of Engineering and Technology website at <http://www.fcc.gov/oet/ea> (search for grantee code A3L and product code GTE2152L).

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Some of the contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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